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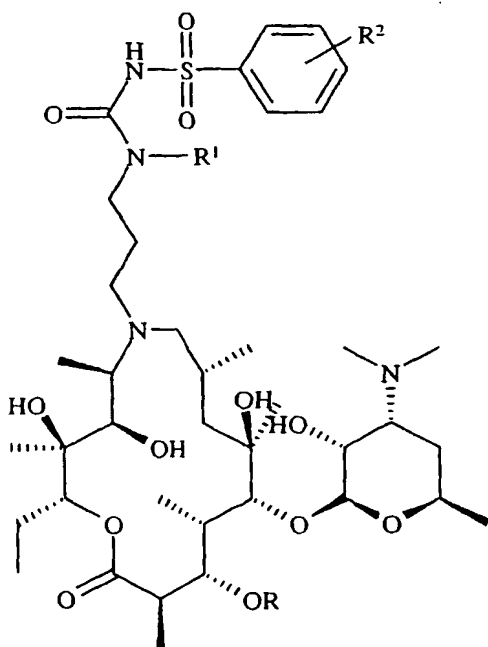
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(54) Title: SUBSTITUTED 9a-N-[N'-(BENZENESULFONYL)CARBAMOYL-Y-AMINOPROPYL]AND 9a-N-[N'-(B-CYANOETHYL)-N'-(BENZENESULFONYL)CARBAMOYL-Y-AMINOPROPYL]DERIVATIVES OF 9-DEOXO-9-DIHYDRO-9A-AZA-9A-HOMOERITHROMYCIN A AND 5-O-DESOSAMINYL-9-DEOXO-9-DIHYDRO-9A-AZA-HOMOERITHRONOLIDE A



(57) Abstract: The invention relates to substituted 9a-N-[N'-(benzenesulfonyl)carbamoyl-γ-aminopropyl] and 9a-N-[N'-(β-cyanoethyl)-N'-(benzenesulfonyl)carbamoyl-γ-aminopropyl] derivatives of 9-deoxo-9-dihydro-9a-aza-9a-homoerithromycin A and 5-O-desosaminy-9-deoxo-9-dihydro-9a-aza-9a-homoerithronolide A, novel semisynthetic macrolide antibiotics of the azalide series, of the formula (I) wherein R represents H or cladinose moiety, R¹ represents H or β-cyanoethyl group and R² represents H or fluoro, chloro and methyl group, and pharmaceutically acceptable salts thereof with inorganic or organic acids, to the process for the preparation of pharmaceutical compositions as well as to the use their compositions for sterilization rooms and medical instruments as well as for protection of wall and wooden coatings.

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